| Designator   | Comment  | Description  | Quantity | Footprint                                  | Manufacturer Part<br>Number | Fitted               |
|--|--|--|----------|--|-----------------------------|----------------------|
| C1, C5, C10, C13, C19  | 10µF   | CAPTANT10UF16V<br>20%1206  | 5        | 1206 TANTCASEA                             | T491A106M016AT              | Fitted               |
| C2, C3, C4, C14, C16,  | 0.1uF  | 20/61200   | 5        | 0603                                       |                             | Fitted, Not Fitted   |
| C17, C20<br>C6   | .1uF   |  | 1        | 0603                                       |                             | Fitted               |
| C7, C8   | 6pF  | CAPTANT22UF10%   | 2        | 0603                                       |                             | Fitted               |
| C9<br>C11  | 22µF<br>2.2uF                                    | 10V1411  | 1        | CAPPOL1411_3528<br>0603                    |                             | Fitted               |
| C12, C21, C1, C21, C2, C21, C3, C21, C4, C21, C4, C21, C5, C21, C8, C22, C1, C22, C2, C22, C3, C22, C3, C22, C3, C22, C3, C22, C4, C22, C5, C22, C6, C22, C4, C22, C6, C22, C4, C22, C4, C22, C6, C22, C4, C4, C4, C4, C4, C4, C4, C4, C4, C4   |  |  |          |  |                             |                      |
| C23 C5 C23 C8 C23 C7 C23 C8 C24 C7 C24 C2 C24 C3 C24 C4 C24 C3 C24 C4 C24 C5 C24 C5 C24 C7 C24 C8 C25 C7 C25 C | 1uF  |  | 52       | 0603                                       |                             | Fitted               |
| C15, C18   | 10uF   | CAPTANT10UF16V<br>20%1206  | 2        | 1206 TANTCASEA                             | T491A106M016AT              | Fitted               |
| D1, D2   | MM3Z5V6ST1G                                      | DIODEZENER5.6V<br>300MWSOD323  | 2        | FP-477-02-MFG                              |                             | Fitted               |
| D3   | LTST-C190KGKT                                    | LEDGREEN CLEAR<br>0603 SMD   | 1        | LED_LTST-C190                              | LTST-C190KGKT               | Fitted               |
| D4   | LBQ39G-L2OO-35-1                                 | LED BLUE DIFFUSED  | 1        | LBQ39G_BLUE                                | LBQ39G-L20O-35-1            | Fitted               |
| D6   | 5V   | 0603 SMD<br>WE-TVSTVSDlode –<br>High Speed Series,<br>SOT23-5L, 2+1  | 1        |  | 824011                      | Fitted               |
| FB1, FB2   | BLM18KG601SN1D                                   | Channel, 5V, 2pF<br>Chip Ferrite Bead,<br>0603, 600Ω @<br>100MHz, 0.15Ω, 25%,  | 2        | FP-BLM18-0_15-10_8-<br>IPC_A               |                             | Fitted               |
| FB3, FB4, FB6  | 742792609  | 1.3A   | 3        | WE-<br>CBF_0603_L1.6W0.8H<br>0.8_HC        |                             | Fitted               |
| 'n   | LLI2-BH-W1-TH                                    | 3 µin Plating<br>Thickness, White<br>Insulator, USB<br>Receptacle  | o        |  |                             | Not Fitted           |
| J1_C1, J1_C2, J1_C3,<br>J1_C4, J1_C5, J1_O6,<br>J1_C7, J1_C8   | 1881558  | N. P   | 0        |  |                             | Not Fitted           |
| IZ   | TS-106-T-A                                       | No Description<br>Available  | 0        | CON6_1X6_TU_HTS_S<br>AI<br>FP-M20-9990246- |                             | Not Fitted           |
| ß  | M20-9990246                                      | CONNHEADERVERT<br>2POS2.54MM   | 0        | MFG  | M20-9990246                 | Not Fitted           |
| JP1<br>Q1  | 2 wayjumper<br>DMG2301L-7                        | MOSFETP-CH20V3A  | 0        | 0603 2 way jumper<br>FP-SOT23-MFG          | DMG2301L-7                  | Not Fitted<br>Fitted |
| R1, R2   | 22   | SOT23  | 2        | 0603                                       | DWG2301L <sup>3</sup>       | Fitted               |
| R3<br>R4, R5   | 1k<br>330  |  | 1 2      | 0603<br>0603                               |                             | Fitted<br>Fitted     |
| R6<br>R7   | 63.4k<br>10k                                     |  | 1        | 0603<br>0603                               |                             | Fitted<br>Fitted     |
| R8<br>R9_C1, R9_C2, R9_C3,<br>R9_C4, R9_C5, R9_C6,<br>R9_C7, R9_C8,<br>R10_C1, R10_C2,<br>R10_C3, R10_C4,<br>R10_C5, R10_C6,<br>R10_C7, R10_C8,<br>R12_C1, R12_C2,<br>R12_C3, R12_C4,<br>R12_C5, R12_C6,<br>R12_C7, R12_C6,  | 1.5k   |  | 24       | 0603                                       |                             | Fitted               |
| R11_C1, R11_C2,<br>R11_C3, R11_C4,<br>R11_C5, R11_C6,<br>R11_C7, R11_C8  | 0.25   |  | 8        | 0805_HV                                    |                             | Fitted               |
| R13_C1, R13_C2,<br>R13_C3, R13_C4,<br>R13_C5, R13_C6,<br>R13_C7, R13_C8  | 0  |  |          | 0603                                       |                             | Fitted               |
| S1, S2, S3, S4<br>TP1, TP2, TP3, TP4,<br>TP5, TP6, TP7, TP8.   | B3S-1000   |  | 4        | B3S-1000_CMR                               |                             | Fitted               |
| IPS, IP8, IP7, IP8, IP9, IP10, IP911, IP92, IP913, IP94, IP915, IP916, IP97_C1, IP97_C2, IP97_C3, IP97_C4, IP97_C5, IP97_C8, IP97_C7, IP97_C8  | 5001<br>CM6206                                   | TESTPOINTPC MINI<br>.040" DBLACK   |          | Testpoint pad  CM6206 LOFP48               | 5001                        | Fitted  Not Fitted   |
| U2   | 93C46C-I/SN                                      | 1K, 128x8 or 64x16-bit,<br>5.0VMcrowire Serial<br>EEPROM, 8-Pin SOIC<br>150mil, Industrial<br>Temperature                      | 0        |  |                             | Not Fitted           |
| U3_C1, U3_C2, U3_C3,<br>U3_C4, U3_C5, U3_C6,<br>U3_C7, U3_C8   | TPA6211A1DGN                                     | 3.1-W, mono, analog<br>input Class-AB audio<br>amplifier   | 8        | SOP65P490X110-9N                           |                             | Fitted               |
| U4_C1, U4_C2, U4_C3,<br>U4_C4, U4_C5, U4_06,<br>U4_C7, U4_C8   | INA180A1IDBVT                                    | 26V, 350kHz current<br>sense amplifier<br>500-mA, low-IQ, high-  | 8        | SOT95P280X145-5N                           |                             | Fitted               |
|  | TLV75801PDBVR                                    | 500-mA, low-IQ, high-<br>accuracy, adjustable<br>ultra-low-dropout<br>voltage regulator with<br>enable<br>- ESP32-C3           | 1        | SOT95P280X145-5N                           |                             | Fitted               |
| us   |  |  | 1        | ı  |                             |                      |
| U6   | 113991054  | Transceiver; 802.11<br>a/b/g/n (Wi-Fi, WiFi,<br>WLAN), Bluetooth®<br>Smart 4.x Low Energy<br>(BLE) 2.4 GHz<br>Evaluation Board | o        |  |                             | Not Fitted           |
| US<br>US   | 113991054<br>AP2127K-3.3TRG1<br>ECS-120-8-36-CRM | Transceiver; 802.11<br>a/b/g/n (Wi-Fi, WiFi,<br>WLAN), Bluetooth®<br>Smart 4.x Low Energy<br>(BLE) 2.4 GHz                     | 1        | 113991054<br>FP-SOT25-MFG                  | AP2127K-3.3TRG1             | Not Fitted           |

























